



NEGAUNEE/ISHPEMING WATER AUTHORITY
P.O. BOX 607/1800 NORTH ROAD
ISHPEMING, MI 49849
PHONE/FAX 1-906-486-8399

March 21, 2014

Ms. Theresa Schwalbach
Marquette County Emergency Management Coordinator
180 U.S. Hwy 41 E
Negaunee, MI 49866

Re: Negaunee/Ishpeming, Michigan Water Crisis

Dear Ms. Schwalbach:

The Negaunee/Ishpeming Water Authority (NIWA), the sole provider of drinking water to Ishpeming and Negaunee, who also operates and maintains a water treatment facility and associated pumping facilities. Is requesting that the additional demands and associated costs being exerted on NIWA to provide these cities with a safe and adequate potable water supply during their water emergency situation be included in any FEMA emergency declaration request and/or State financial assistance requests.

During a normal year, NIWA pumps and treats on average 1.0 to 1.2 million gallons per day (mgd) of potable drinking water to Ishpeming and Negaunee. With this winters extreme cold temperatures and extreme frost penetration resulting in numerous water main breaks, service line freeze ups and let runs in both cities. NIWA is currently treating and pumping on average 2.5 mgd, which has placed an extreme physical and financial demand on NIWA's raw water sources, treatment plant and water pumping facilities. NIWA is currently operating all of our raw water wells (7 total), 24 hours a day seven days a week to keep up with this demand. This in turn has resulted in a 5 foot loss of pumping water level, which is rapidly dewatering our N. Carp river Aquifer.

The treatment plant's maximum rated capacity is 3 mgd. If the demand for water continues to increase and reaches the plant's max capacity, I will be forced to take drastic measures to keep up with demand, possibly forcing NIWA to partially bypass the treatment plant to meet demands greater than 3 mgd.

The following is an estimated cost breakdown of what I expect my expenses will be above are normal operating expenses to treat, pump and maintain a safe potable water supply for both personal consumption, and any fire flow requirements.

Also listed is the cost of installing an additional water supply well that will provide NIWA and our customers with a sustainable raw water source.

Labor: \$2000.00

Utilities: \$15,000.00

Chemicals: \$9,230.00

Sewer Use Fee: \$1,000.00

Leak Locating Services: -\$14,000.00 -

Water Purchases through an interconnection with another municipal water utility:
\$15,480.00

Well repairs and rehabilitation: \$30,000.00

Total additional costs: **\$86,710.00**

Supplemental Water Supply Well and Appurtenances: \$450,000.00

Your cooperation and assistance with this matter is greatly appreciated, and if you need further information please let me know.

Sincerely,

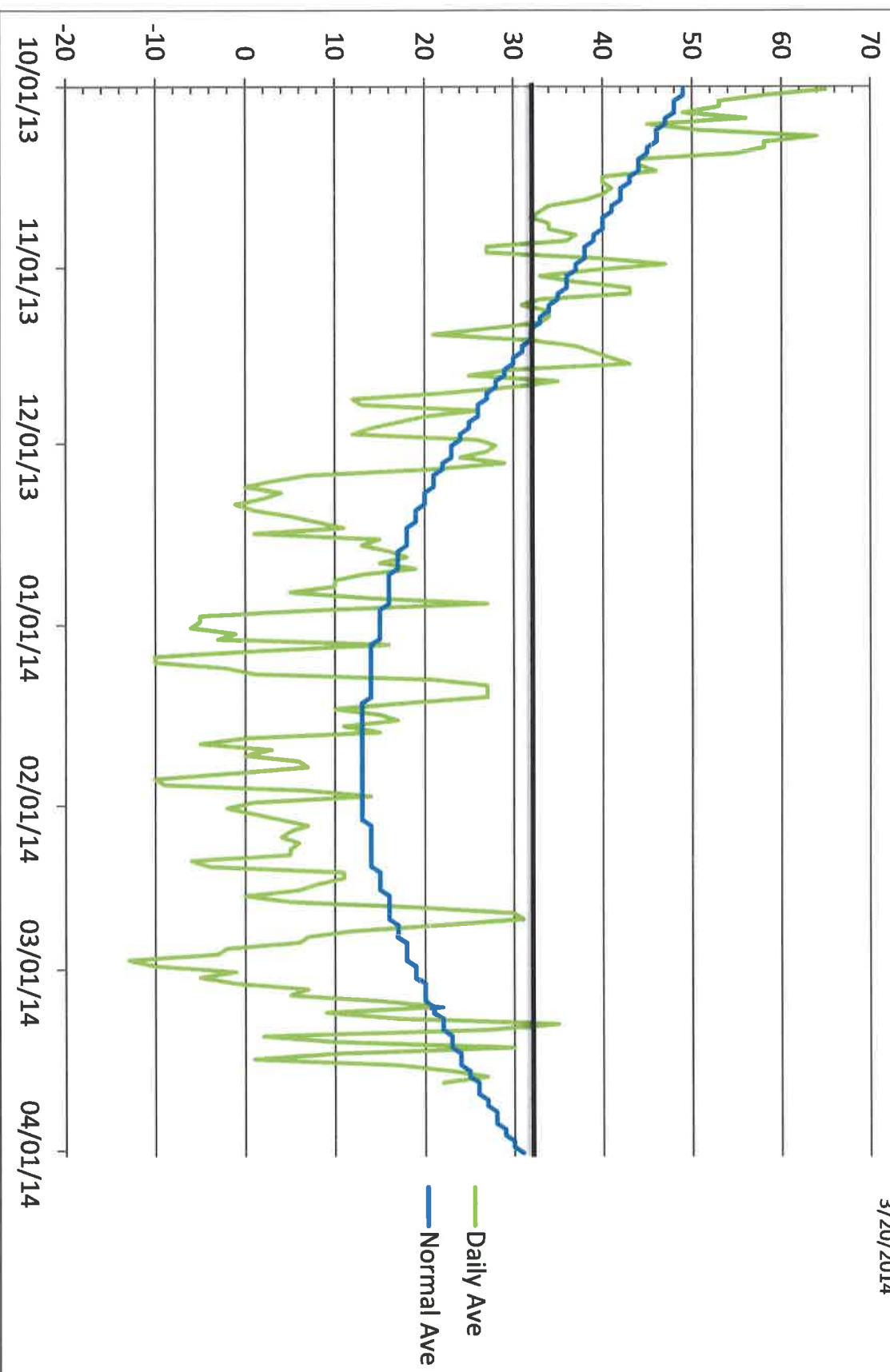


Anthony S. McGrath
Water Authority Manager

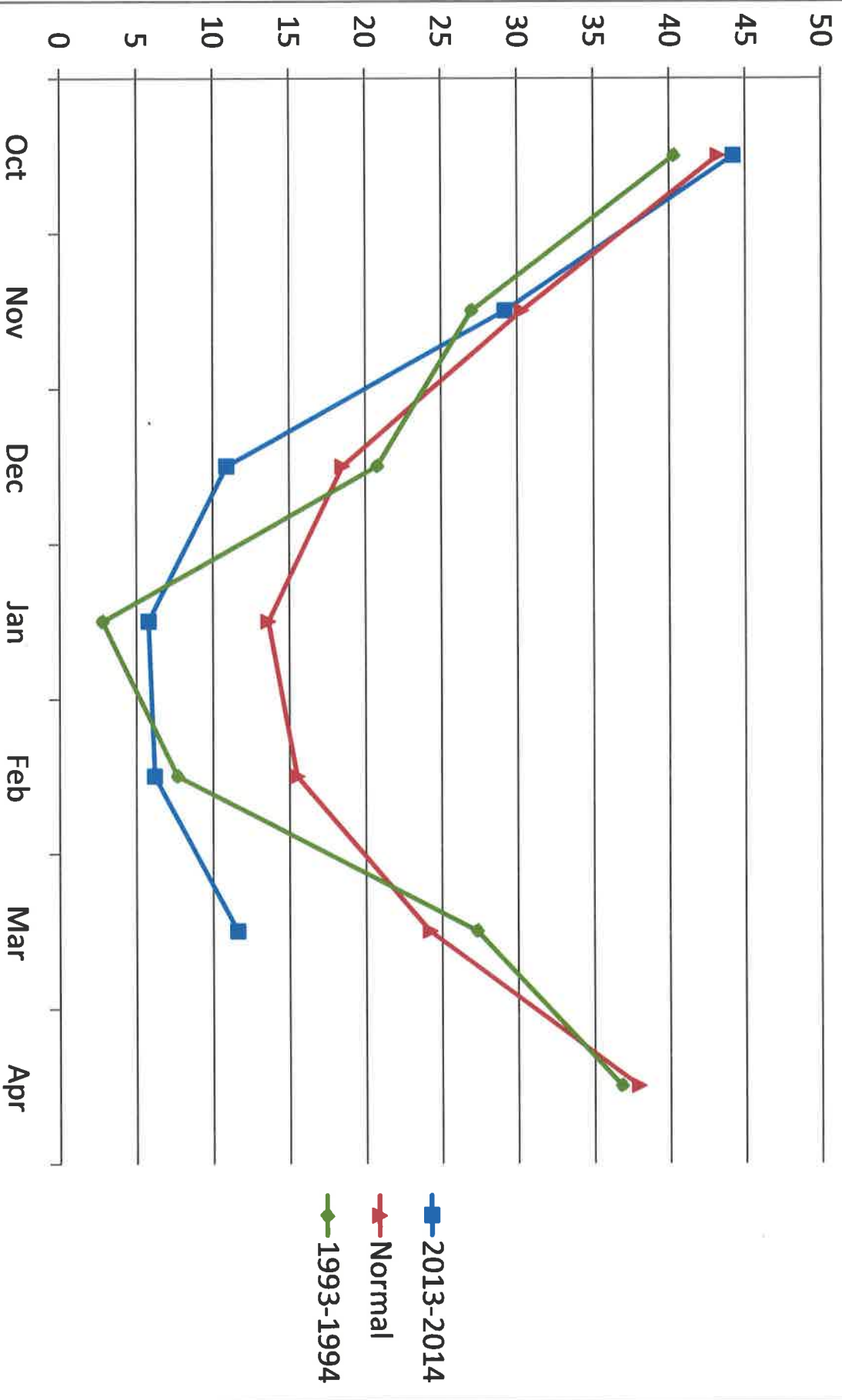
cc: niwa file

Daily Temperatures Marquette NWS Office

Current to
3/20/2014

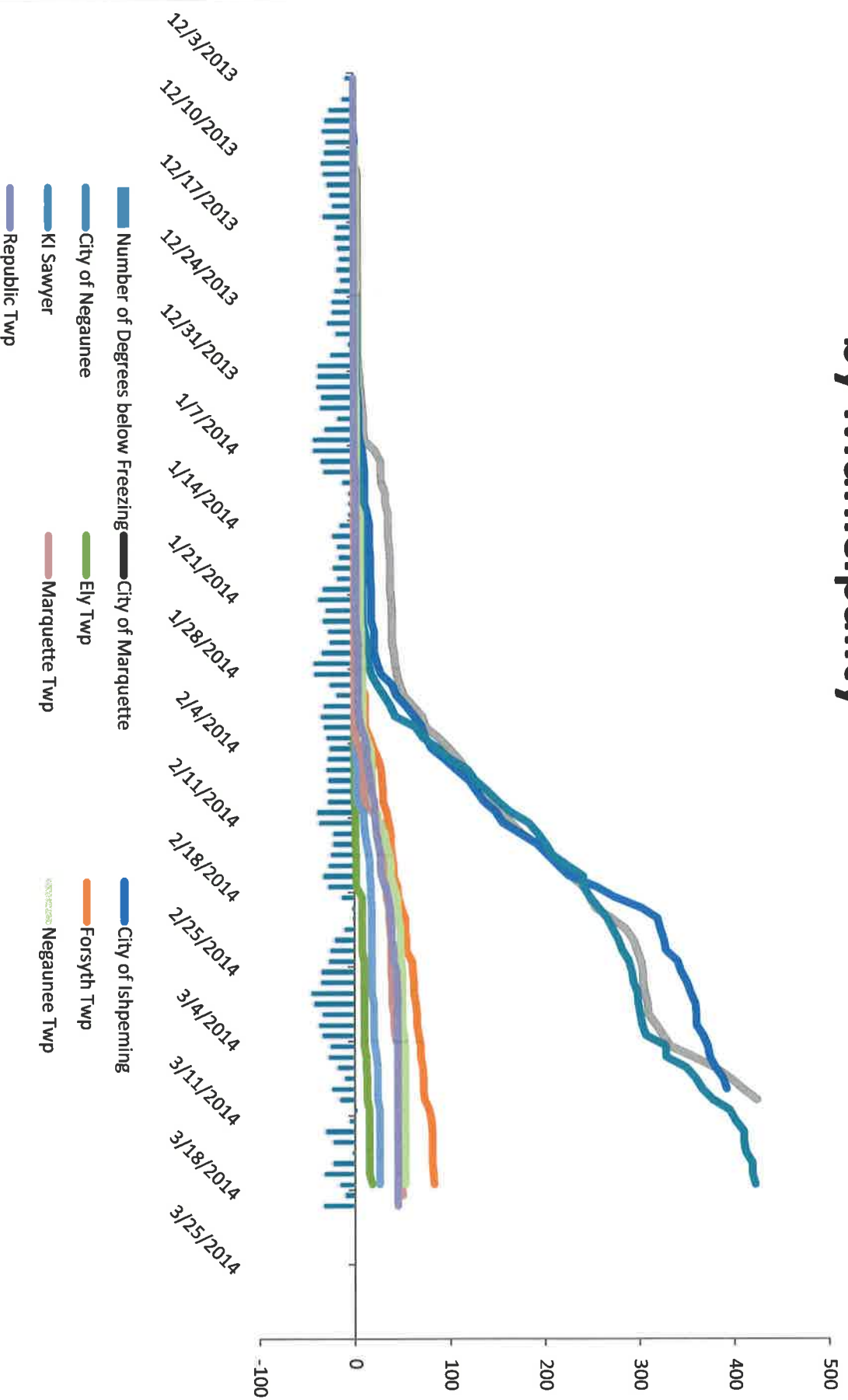


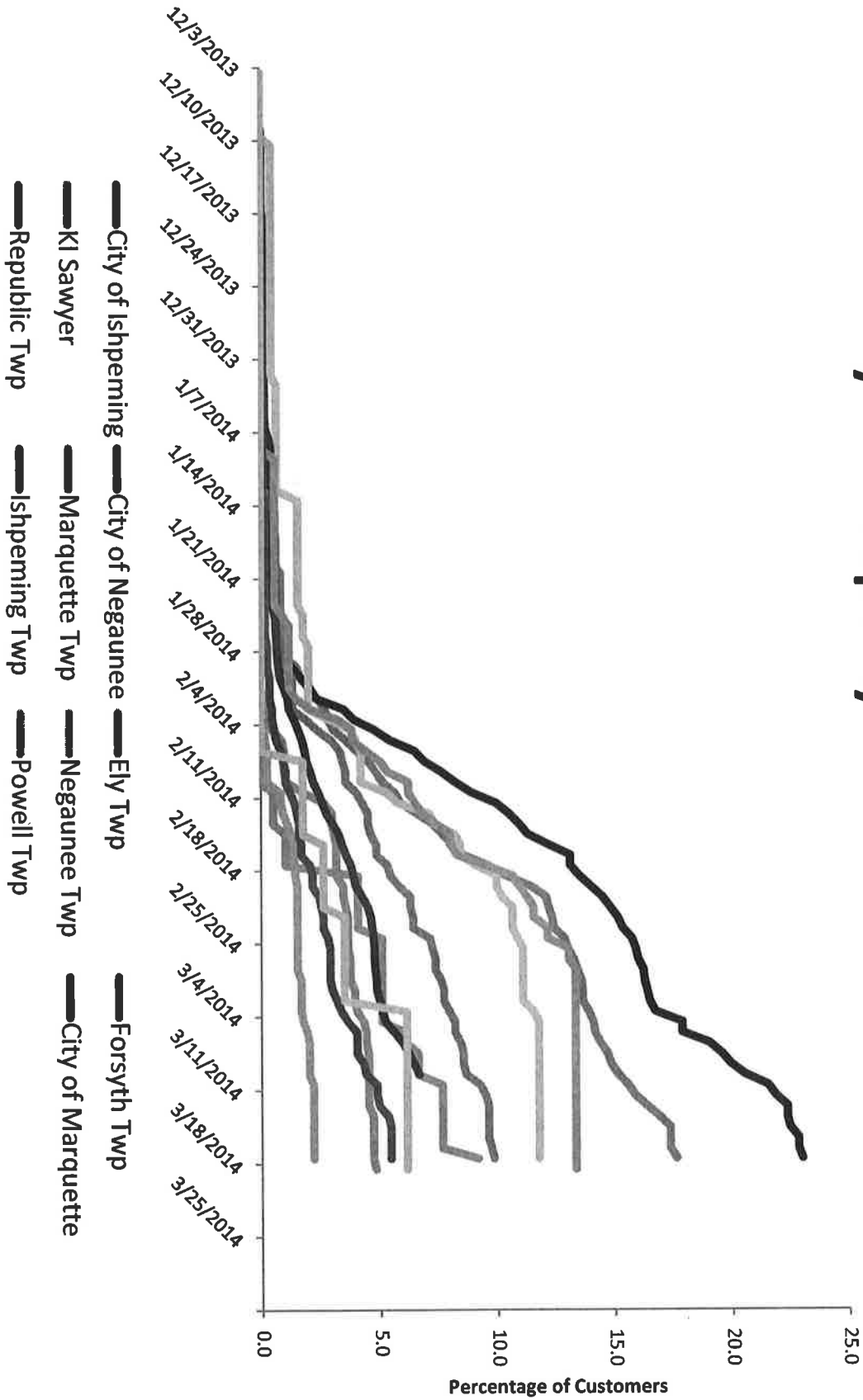
Average Monthly Temperature



Statistics based on 1981-2010 data used to establish normal values. Observations at Marquette National Weather Service office.

Trend of Thaws to Date by Municipality



[illegible]

Damage Assessment

Incident: 2014-02-13- Region 8-Freeze

Create PDF

All EM Programs

Export to Excel

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Search

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EM Program	# Destroyed	# Major Damage	# Minor Damage	# Affected	Est Dollar Loss (Private)	Cat A (Debris Removal Sites)	Cat B (Emergency Protective Measures Sites)	Cat C (Roads and Bridges Sites)	Cat D (Water Control Facilities Sites)	Cat E (Public Buildings and Equip. Sites)	Cat F (Public Utilities Sites)	Cat G (Parks and Rec. Facilities Sites)	Est Dollar Loss (Public)	Total Estimated Dollar Loss	Last Updated
County of Alger	0	0	0	93	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$73,000 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$73,000	\$73,000	03/24/2014 23:04:54
County of Baraga	0	0	0	2	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$415,835 (0)	\$0 (0)	\$415,835	\$415,835	03/24/2014 11:23:57
County of Chippewa	0	0	0	490	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$434,800 (2)	\$0 (0)	\$434,800	\$434,800	03/24/2014 12:38:01
County of Delta	0	0	0	825	\$1,278	\$0 (0)	\$0 (0)	\$0 (0)	\$240,001 (1)	\$0 (0)	\$0 (36)	\$0 (0)	\$240,001	\$241,279	03/24/2014 14:21:51
County of Dickinson	0	0	0	735	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0	\$0	02/25/2014 16:32:47
County of Gogebic	0	0	0	2,100	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$1,748,509 (2100)	\$0 (0)	\$0 (0)	\$0 (0)	\$1,748,509	\$1,748,509	03/24/2014 11:51:10
County of Houghton	0	0	0	36	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$48,200 (0)	\$0 (0)	\$48,200	\$48,200	03/23/2014 16:23:47
County of Iron	0	0	0	2,402	\$50,000	\$0 (0)	\$0 (0)	\$0 (0)	\$20,000 (0)	\$0 (0)	\$82,000 (0)	\$0 (0)	\$102,000	\$152,000	03/21/2014 14:58:47
County of Luce	0	0	0	216	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$55,000 (0)	\$0 (0)	\$55,000	\$55,000	03/21/2014 09:23:26
County of Mackinac	0	0	0	3	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$70,000 (4)	\$0 (0)	\$70,000	\$70,000	03/19/2014 16:21:54
County of Marquette	0	0	0	3,327	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$18,000 (0)	\$1,317,736 (0)	\$0 (0)	\$1,335,736	\$1,335,736	03/21/2014 16:43:17
County of Menominee	0	0	0	4,027	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$228,255 (0)	\$0 (0)	\$228,255	\$228,255	03/23/2014 16:31:14
County of Ontonagon	0	0	0	39	\$54,000	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$15,000 (1)	\$0 (0)	\$15,000	\$69,000	03/24/2014 12:42:43
County of Schoolcraft	0	0	0	75	\$0	\$0 (0)	\$0 (0)	\$0 (0)	\$25,000 (0)	\$0 (0)	\$0 (0)	\$0 (0)	\$25,000	\$25,000	03/18/2014 11:13:53
	0	0	0	14,970	\$105,278	\$0	\$0	\$0	\$2,106,510	\$18,000	\$2,666,826	\$0	\$4,791,336	\$4,896,614	